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April 14, 2000

WRITER'S DIRECT NUMBER:

(202) 789-5525

INTERNET ADDRESS:

BRIAND@SKGF.COM

Assistant Commissioner for Patents  
Washington, D.C. 20231

**Box Missing Parts**

Re: U.S. Utility Patent Application  
Appl. No. 09/472,067; Filed: December 23, 1999  
For: **Nucleic Acid Ladders**  
Inventors: HU *et al.*  
Our Ref: 0942.4340002/RWE/BJD

Sir:

In reply to the Notice to File Missing Parts of Application--Filing Date Granted dated **February 16, 2000**, Applicant submits the following documents for appropriate action by the U.S. Patent and Trademark Office:

1. Fee Transmittal Form PTO/SB/17 (*in duplicate*);
2. Copy of the Notice to File Missing Parts of Application;
3. A copy of the Declaration for Patent Application, executed by A-Li W. HU, James L. HARTLEY and Heather J. JORDAN in the parent application (U.S. Appl. No. 09/048,242; filed March 26, 1998);
4. Our Check No. 27255 for \$1,548.00 to cover:
  - \$690.00 Filing Fee for Patent Application (37 C.F.R. § 1.16);
  - \$468.00 Fee for excess total claims (37 C.F.R. § 1.16);
  - \$260.00 Multiple Dependent Claim Fee (37 C.F.R. § 1.16);
  - \$130.00 Surcharge for late filing of Declaration (37 C.F.R. § 1.16); and
5. One return post card.

Assistant Commissioner for Patents  
April 14, 2000  
Page 2

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefor are hereby authorized to be charged to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Brian J. Del Buono  
Agent for Applicants  
Registration No. 42,473

RWE/BJD/dmb  
Enclosures

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL**

for FY 2000

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB-12.  
See 37 C.F.R. §§ 1.27 and 1.28.

**Complete if Known**

Application Number	09/472,067
Filing Date	December 23, 1999
First Named Inventor	HU
Examiner Name	To be Assigned
Group / Art Unit	1636
Attorney Docket Number	0942.4340002/RWE/BJD

TOTAL AMOUNT OF PAYMENT (\$1,548.00)

**METHOD OF PAYMENT (check one)**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number

19-0036

Deposit Account Name

Sterne, Kessler, Goldstein &amp; Fox P.L.L.C.

- ☐ Charge Any Additional Fee Required  
Under 37 CFR §§ 1.16 and 1.17

2. ☒ Payment Enclosed: ☒ Check ☐ Money Order ☒ Other\*  
\*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	690	201	345	Utility filing fee	690.00
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	690	208	334	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (1) (\$)					690.00

**2. EXTRA CLAIM FEES**

	Extra	Fee from below	Fee Paid
Total Claims <u>46</u> - 20** = <u>26</u> X <u>18</u> = <u>468.00</u>			
Indep. Claims <u>2</u> - 3** = <u>0</u> X <u>78</u> = <u>0</u>			
Multiple Dependent <u>260</u> = <u>260</u>			


\*\* or number previously paid, if greater; For Reissues, see below

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim
108	78	209	39	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 728.00**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	130.00
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	380	216	190	Extension for reply within second month	
117	870	217	435	Extension for reply within third month	
118	1,360	218	680	Extension for reply within fourth month	
128	1,850	228	925	Extension for reply within fifth month	
119	300	219	150	Notice of Appeal	
120	300	220	150	Filing a brief in support of an appeal	
121	260	221	130	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,210	241	605	Petition to revive - unintentional	
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144	580	244	290	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))	
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify):					
Other fee (specify):					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3) (\$)					130.00

**SUBMITTED BY****Complete (if applicable)**

Typed or Printed Name	Brian J. Del Buono	Reg. Number	42,473
Signature		Date	April 14, 2000
		Deposit Acct. User ID	

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DUPLICATE


PTO/SB/17 (12/99)

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
OMB 0651-0032

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<b>FEE TRANSMITTAL</b> for FY 2000 <i>Patent fees are subject to annual revision.</i> <i>Small Entity payments must be supported by a small entity statement,</i> <i>otherwise large entity fees must be paid. See Forms PTO/SB/05-42</i> <i>See 37 C.F.R. §§ 1.27 and 1.28.</i>		Complete if Known	
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TOTAL AMOUNT OF PAYMENT		(\$1,548.00)	

<b>METHOD OF PAYMENT (check one)</b>		<b>FEE CALCULATION (continued)</b>																																																																																																																																																																			
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SKGF Rev. 2/2/00 mac

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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
09/472,067	12/23/99 HU		E 0942.4340002

0212/0216  
STERNE KESSLER GOLDSTEIN & FOX P L L  
1100 NEW YORK AVENUE N W  
SUITE 600  
WASHINGTON DC 20005-3934

**DATE MAILED:**

**NOTICE TO FILE MISSING PARTS OF APPLICATION**  
***Filing Date Granted***

An Application Number and Filing Date have been assigned to this application. The items indicated below, however, are missing. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of items 1 or 3 through 5 are indicated as missing, the SURCHARGE set forth in 37 CFR 1.16(e) of ☐ \$65.00 for a small entity in compliance with 37 CFR 1.27, or ☒ \$130.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

If all required items on this form are filed within the period set above, the total amount owed by applicant as a ☐ small entity (statement filed) ☒ non-small entity is \$ 180.

- ☒ 1. The statutory basic filing fee is:

☒ missing.  
☐ insufficient.

Applicant must submit \$ 1824 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).

- ☐ 2. The following additional claims fees are due:

\$ 774 for 43 total claims over 20.

\$\_\_\_\_\_ for \_\_\_\_\_ independent claims over 3.

\$ 260 for multiple dependent claim surcharge.

\$ 264 for multiple dependent claim surcharge.  
Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.

- ☒ 3. The oath or declaration:

☒ is missing or unsigned.

☐ does not cover the newly submitted items.

☐ does not cover the newly submitted items.  
An oath or declaration in compliance with 37 CFR 1. 63, including residence information and identifying the application by the above Application Number and Filing Date is required.

- ☐ 4. The signature(s) to the oath or declaration is/are by a person other than inventor or person qualified under 37 CFR 1.42, 1.43 or 1.47.

***A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.***

- ☐ 5. The signature of the following joint inventor(s) is missing from the oath or declaration:

*An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.*

- ☐ 6. A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).

- ☐ 7. Your filing receipt was mailed in error because your check was returned without payment.

- ☐ 8. The application was filed in a language other than English.

**Applicant must file a verified English translation of the application, the \$130.00 set forth in 37 CFR 1.17(k), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).**

- ☐ 9. OTHER:

**Direct the reply and any questions about this notice to "Attention: Box Missing Parts."**

**A copy of this notice MUST be returned with the reply.**

**Customer Service Center**  
Initial Patent Examination Division: (703) 308-1202